Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/12/2022 09:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124867	-1	1.83	124805	1.84
Blue	F	SSC	125000	126072	0	3.30	126750	3.30
Blue	E	FITC	15860	15461	-3	2.47	378	14.04
Blue	D	PE	27718	27191	-2	1.88	633	10.40
Blue	B	PerCP-Cy5-5	38046	37327	-2	3.16	1020	15.41
Blue	A	PE-Cy7	26092	25889	-1	5.01	507	30.57
Red	C	APC	49104	48431	-2	2.68	1701	11.42
Red	A	APC-Cy7	28201	27670	-2	3.09	730	12.21
Violet	B	V450	9904	9461	-5	3.90	529	12.14
Violet	A	V500	39004	37278	-5	3.50	975	9.04

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23904	2.28	572	3	N/A	N/A	Pass
Blue	F	SSC	56331	1.88	525	-3	N/A	N/A	Pass
Blue	E	FITC	58	54.24	494	3	0.0425	55	Pass
Blue	D	PE	123	37.93	499	3	0.3972	279	Pass
Blue	B	PerCP-Cy5-5	140	45.39	592	3	0.0182	54	Pass
Blue	A	PE-Cy7	63	97.72	635	3	0.0220	8	Pass
Red	C	APC	330	26.42	579	-2	0.0278	153	Pass
Red	A	APC-Cy7	97	42.10	552	-3	0.0063	1102	Pass
Violet	B	V450	85	50.58	465	7	0.0483	1906	Pass
Violet	A	V500	121	35.53	476	7	0.0255	1770	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.17	-31.93	1.01
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.43
Red	15.89	13.90 - 20.86	N/A	N/A	30.26	30.51	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10066

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments